

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** Q1641
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q1641 **SAS No.:** Q1641
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV63	Mercury	4.09	4.0	102	90 - 110	CV	03/27/2025	12:09	LB135209

Metals

- 2a -

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Client: ENTACT **SDG No.:** Q1641
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q1641 **SAS No.:** Q1641
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV88	Mercury	4.62	5.0	92	90 - 110	CV	03/27/2025	12:16	LB135209
CCV89	Mercury	5.20	5.0	104	90 - 110	CV	03/27/2025	12:54	LB135209
CCV90	Mercury	5.43	5.0	109	90 - 110	CV	03/27/2025	13:32	LB135209

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: Q1641
Contract: ENTA05 Lab Code: CHEM Case No.: Q1641 SAS No.: Q1641
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2440	2500	98	90 - 110	P	03/28/2025	08:53	LB135228
	Arsenic	989	1000	99	90 - 110	P	03/28/2025	08:53	LB135228
	Barium	472	520	91	90 - 110	P	03/28/2025	08:53	LB135228
	Cadmium	497	510	97	90 - 110	P	03/28/2025	08:53	LB135228
	Chromium	520	520	100	90 - 110	P	03/28/2025	08:53	LB135228
	Cobalt	501	520	96	90 - 110	P	03/28/2025	08:53	LB135228
	Copper	521	510	102	90 - 110	P	03/28/2025	08:53	LB135228
	Iron	9790	10000	98	90 - 110	P	03/28/2025	08:53	LB135228
	Lead	977	1000	98	90 - 110	P	03/28/2025	08:53	LB135228
	Nickel	506	530	96	90 - 110	P	03/28/2025	08:53	LB135228
	Selenium	1020	1000	102	90 - 110	P	03/28/2025	08:53	LB135228
	Silver	252	250	101	90 - 110	P	03/28/2025	08:53	LB135228
	Tin	2330	2500	93	90 - 110	P	03/28/2025	08:53	LB135228
	Zinc	1010	1000	101	90 - 110	P	03/28/2025	08:53	LB135228

Metals

- 2a -

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Contract: ENTA05 Lab Code: CHEM Case No.: Q1641 SAS No.: Q1641
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	99.5	100	100	80 - 120	P	03/28/2025	08:59	LB135228
	Arsenic	20.8	20.0	104	80 - 120	P	03/28/2025	08:59	LB135228
	Barium	91.8	100	92	80 - 120	P	03/28/2025	08:59	LB135228
	Cadmium	5.70	6.0	95	80 - 120	P	03/28/2025	08:59	LB135228
	Chromium	9.46	10.0	95	80 - 120	P	03/28/2025	08:59	LB135228
	Cobalt	28.7	30.0	96	80 - 120	P	03/28/2025	08:59	LB135228
	Copper	21.9	20.0	110	80 - 120	P	03/28/2025	08:59	LB135228
	Iron	81.5	100	82	80 - 120	P	03/28/2025	08:59	LB135228
	Lead	11.1	12.0	92	80 - 120	P	03/28/2025	08:59	LB135228
	Nickel	38.5	40.0	96	80 - 120	P	03/28/2025	08:59	LB135228
	Selenium	22.1	20.0	111	80 - 120	P	03/28/2025	08:59	LB135228
	Silver	10.2	10.0	102	80 - 120	P	03/28/2025	08:59	LB135228
	Tin	35.0	40.0	88	80 - 120	P	03/28/2025	08:59	LB135228
	Zinc	38.9	40.0	97	80 - 120	P	03/28/2025	08:59	LB135228

Metals

- 2a -

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Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q1641 **SAS No.:** Q1641
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9520	10000	95	90 - 110	P	03/28/2025	09:20	LB135228
	Arsenic	4780	5000	96	90 - 110	P	03/28/2025	09:20	LB135228
	Barium	9170	10000	92	90 - 110	P	03/28/2025	09:20	LB135228
	Cadmium	2380	2500	95	90 - 110	P	03/28/2025	09:20	LB135228
	Chromium	984	1000	98	90 - 110	P	03/28/2025	09:20	LB135228
	Cobalt	2360	2500	94	90 - 110	P	03/28/2025	09:20	LB135228
	Copper	1200	1250	96	90 - 110	P	03/28/2025	09:20	LB135228
	Iron	4740	5000	95	90 - 110	P	03/28/2025	09:20	LB135228
	Lead	4770	5000	95	90 - 110	P	03/28/2025	09:20	LB135228
	Nickel	2370	2500	95	90 - 110	P	03/28/2025	09:20	LB135228
	Selenium	4810	5000	96	90 - 110	P	03/28/2025	09:20	LB135228
	Silver	1210	1250	97	90 - 110	P	03/28/2025	09:20	LB135228
	Tin	4790	5000	96	90 - 110	P	03/28/2025	09:20	LB135228
	Zinc	2440	2500	98	90 - 110	P	03/28/2025	09:20	LB135228
CCV02	Aluminum	9790	10000	98	90 - 110	P	03/28/2025	10:30	LB135228
	Arsenic	4940	5000	99	90 - 110	P	03/28/2025	10:30	LB135228
	Barium	9050	10000	90	90 - 110	P	03/28/2025	10:30	LB135228
	Cadmium	2370	2500	95	90 - 110	P	03/28/2025	10:30	LB135228
	Chromium	998	1000	100	90 - 110	P	03/28/2025	10:30	LB135228
	Cobalt	2370	2500	95	90 - 110	P	03/28/2025	10:30	LB135228
	Copper	1230	1250	98	90 - 110	P	03/28/2025	10:30	LB135228
	Iron	4650	5000	93	90 - 110	P	03/28/2025	10:30	LB135228
	Lead	4790	5000	96	90 - 110	P	03/28/2025	10:30	LB135228
	Nickel	2380	2500	95	90 - 110	P	03/28/2025	10:30	LB135228
	Selenium	4980	5000	100	90 - 110	P	03/28/2025	10:30	LB135228
	Silver	1230	1250	98	90 - 110	P	03/28/2025	10:30	LB135228
	Tin	4790	5000	96	90 - 110	P	03/28/2025	10:30	LB135228
	Zinc	2490	2500	100	90 - 110	P	03/28/2025	10:30	LB135228
CCV03	Aluminum	9520	10000	95	90 - 110	P	03/28/2025	11:22	LB135228
	Arsenic	4740	5000	95	90 - 110	P	03/28/2025	11:22	LB135228
	Barium	9290	10000	93	90 - 110	P	03/28/2025	11:22	LB135228
	Cadmium	2350	2500	94	90 - 110	P	03/28/2025	11:22	LB135228
	Chromium	985	1000	98	90 - 110	P	03/28/2025	11:22	LB135228
	Cobalt	2340	2500	93	90 - 110	P	03/28/2025	11:22	LB135228

Metals

- 2a -

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Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Copper	1190	1250	95	90 - 110	P	03/28/2025	11:22	LB135228
	Iron	4570	5000	91	90 - 110	P	03/28/2025	11:22	LB135228
	Lead	4710	5000	94	90 - 110	P	03/28/2025	11:22	LB135228
	Nickel	2340	2500	94	90 - 110	P	03/28/2025	11:22	LB135228
	Selenium	4720	5000	94	90 - 110	P	03/28/2025	11:22	LB135228
	Silver	1200	1250	96	90 - 110	P	03/28/2025	11:22	LB135228
	Tin	4730	5000	95	90 - 110	P	03/28/2025	11:22	LB135228
	Zinc	2420	2500	97	90 - 110	P	03/28/2025	11:22	LB135228
CCV04	Aluminum	9710	10000	97	90 - 110	P	03/28/2025	12:13	LB135228
	Arsenic	4880	5000	98	90 - 110	P	03/28/2025	12:13	LB135228
	Barium	9210	10000	92	90 - 110	P	03/28/2025	12:13	LB135228
	Cadmium	2410	2500	96	90 - 110	P	03/28/2025	12:13	LB135228
	Chromium	1020	1000	102	90 - 110	P	03/28/2025	12:13	LB135228
	Cobalt	2390	2500	96	90 - 110	P	03/28/2025	12:13	LB135228
	Copper	1220	1250	97	90 - 110	P	03/28/2025	12:13	LB135228
	Iron	4680	5000	94	90 - 110	P	03/28/2025	12:13	LB135228
	Lead	4840	5000	97	90 - 110	P	03/28/2025	12:13	LB135228
	Nickel	2410	2500	96	90 - 110	P	03/28/2025	12:13	LB135228
	Selenium	4870	5000	97	90 - 110	P	03/28/2025	12:13	LB135228
	Silver	1230	1250	98	90 - 110	P	03/28/2025	12:13	LB135228
	Tin	4860	5000	97	90 - 110	P	03/28/2025	12:13	LB135228
	Zinc	2480	2500	99	90 - 110	P	03/28/2025	12:13	LB135228
	Aluminum	9390	10000	94	90 - 110	P	03/28/2025	13:01	LB135228
	Arsenic	4680	5000	94	90 - 110	P	03/28/2025	13:01	LB135228
CCV05	Barium	9410	10000	94	90 - 110	P	03/28/2025	13:01	LB135228
	Cadmium	2340	2500	94	90 - 110	P	03/28/2025	13:01	LB135228
	Chromium	984	1000	98	90 - 110	P	03/28/2025	13:01	LB135228
	Cobalt	2330	2500	93	90 - 110	P	03/28/2025	13:01	LB135228
	Copper	1190	1250	95	90 - 110	P	03/28/2025	13:01	LB135228
	Iron	4760	5000	95	90 - 110	P	03/28/2025	13:01	LB135228
	Lead	4690	5000	94	90 - 110	P	03/28/2025	13:01	LB135228
	Nickel	2330	2500	93	90 - 110	P	03/28/2025	13:01	LB135228
	Selenium	4650	5000	93	90 - 110	P	03/28/2025	13:01	LB135228
	Silver	1190	1250	95	90 - 110	P	03/28/2025	13:01	LB135228

Metals

- 2a -

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Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Tin	4720	5000	94	90 - 110	P	03/28/2025	13:01	LB135228
	Zinc	2380	2500	95	90 - 110	P	03/28/2025	13:01	LB135228